



UNITED STATES PATENT AND TRADEMARK OFFICE

*Re-req'd
TFL*

Applicant: GOODWIN et al.
Serial No.: 10/567,806
Filed: February 8, 2006
Entitled: Scroll Compressor with Multiple Isolated Inlet Ports
Dkt. No.: M03B119

Group No.: 3748
Examiner: n/a

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence and every writing referred to herein as being enclosed is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on JULY 17, 2006.
(Date)

Betty Lee
Printed name of person signing this certificate

Betty Lee
Signature of person mailing

Dear Sir:

REQUEST FOR CORRECTED FILING RECEIPT

Attached is a copy of the official filing receipt, mailed July 5, 2006, received from the PTO in the above application for which issuance of a corrected filing receipt is respectfully requested.

There is an error with respect to the title of the subject application. Please change "Scroll Compressor Multipile Isolated Intel Ports" to read: Scroll Compressor with Multiple Isolated Inlet Ports. The correct title appears on the first page of the specification of International Application No. PCT/GB2004/003429 and is attached for your reference.

It is believed that the need for correction is not due to any error by applicant and that no fee is due. However, as a precaution, the Commissioner is hereby authorized to charge to Deposit Account No. 02-2865 any fee which may be required. This letter is submitted in triplicate.

Respectfully submitted,

Date: July 17, 2006
The BOC Group, Inc.
Legal Services - Intellectual Property
575 Mountain Ave.
Murray Hill, NJ 07974
Tel: (908) 771-6469


Ira Lee Zebrak, Esq.
Attorney for Applicants(s)
Reg. No. 31,147

Attachments
Official Filing Receipt
First page of specification

ILZ:bjl

SCROLL COMPRESSOR WITH MULTIPLE ISOLATED INLET PORTS

The present invention relates to an improved scroll compressor, and scroll wall arrangement therefor.

A typical scroll compressor is shown in Figures 1 and 2. Figure 1 is a cross-section of a scroll compressor 10, which comprises a fixed scroll 12 and an orbiting scroll 14. The fixed scroll comprises a generally planar disc 16 from which a scroll wall 18 extends perpendicularly. The orbiting scroll comprises a generally planar disc 20 from which a scroll wall 22 extends perpendicularly. A motor 24 is provided for rotating shaft 26. Shaft 26 has an eccentric shaft portion 28 fixed to the orbiting scroll 14. The eccentric motion of shaft portion 28 causes an orbiting motion of the orbiting scroll wall 22 relative to the fixed scroll wall 18.

This relative motion causes fluid to be pumped from an inlet 30 provided at an outer radial portion of the scroll wall arrangement to an outlet, or exhaust, 32 provided at a radially central portion of the scroll wall arrangement. Gas enters the compressor through a compressor inlet (not shown).

Figure 2 is a cross-section of the scroll wall arrangement of the scroll compressor taken along line II-II in Figure 1. A fluid flow path 34 is shown in Figure 2 by the arrowed line and follows a generally spiral path from the inlet 30 to the outlet 32 of the scroll wall arrangement. Gas enters through inlet 30 at a first pressure, is compressed over the course of four revolutions or wraps and is exhausted from the pump through outlet 32 at a higher pressure. The number of wraps can be more or less than shown in Figure 2 and is selected depending on the pumping requirements. The relative orbiting motion of the scroll walls causes a plurality of crescent shaped pockets to be formed between the walls and forced radially inwardly, gradually being compressed in size. As is known to the skilled person, the extent of these crescent shaped pockets is approximately 360 degrees and the extent of the walls trapping a crescent shaped pocket is known as a wrap.

RECEIVED



UNITED STATES PATENT AND TRADEMARK OFFICE

JUL 11 2006 *XSB*

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/567,806	02/08/2006	3748	1100	M03B119	2	13	4

020411
 THE BOC GROUP, INC.
 575 MOUNTAIN AVENUE
 MURRAY HILL, NJ 07974-2064



CONFIRMATION NO. 4457
 FILING RECEIPT



OC000000019472583

Date Mailed: 07/05/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

David John Goodwin, Southgate, UNITED KINGDOM;
 Alan John Saunders, Angmering, UNITED KINGDOM;
 Philip Lawrence May, Cliftonville, UNITED KINGDOM;
 Graeme Huntley, Wembdon, UNITED KINGDOM;

Power of Attorney: The patent practitioners associated with Customer Number 020411.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/GB04/03429 08/10/2004

Foreign Applications

UNITED KINGDOM 0319513.8 08/19/2003

If Required, Foreign Filing License Granted: 07/01/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/567,806**

Projected Publication Date: 10/12/2006

Non-Publication Request: No

Early Publication Request: No

Title~~—Scroll compressor multiple isolated inlet ports—~~

Scroll Compressor with Multiple Isolated Inlet Ports

Preliminary Class

418

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof

unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).